# Schottky barrier diode RB496EA

## Applications

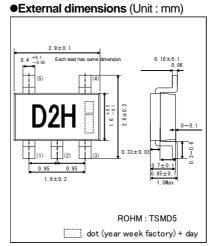
Low current rectification

## ● Features

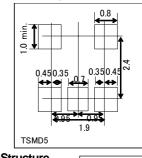
- 1) Small mold type (TSMD5)
- 2) Low IR
- 3) High reliability

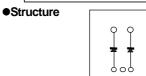
#### Structure

Silicon epitaxial planer

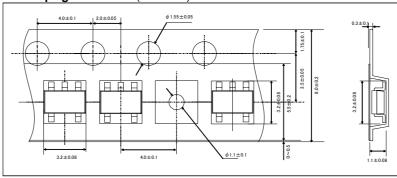


# ●Land size figure (Unit : mm)





●Taping dimensions (Unit : mm)



## ● Absolute maximum ratings (Ta=25°C)

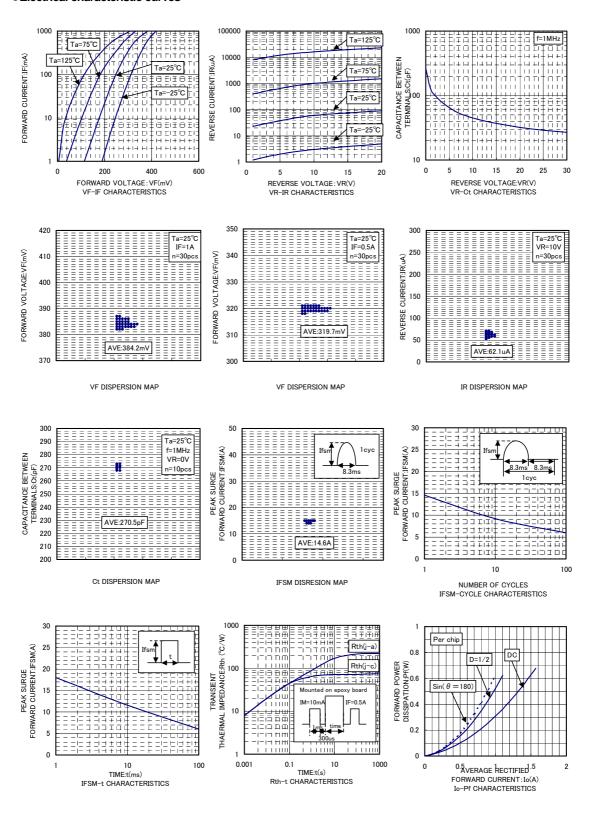
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Parameter	Symbol	Limits	Unit			
Reverse voltage	$V_R$	20	V			
Average rectified forward current (*1)	lo	1	Α			
Forward current surge peak (60Hz · 1cyc) (*1)	$I_{FSM}$	10	Α			
Junction temperature	Tj	125	°C			
Storage temperature	Tstg	-40 to +125	°C			

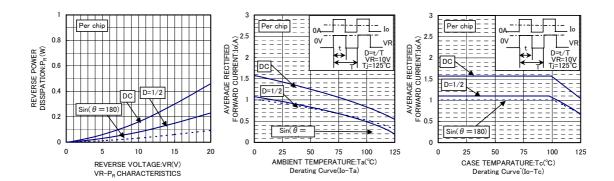
<sup>(\*1)</sup> Rating of per diode

# ●Electrical characteristic (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	$V_F1$	-	-	0.35	V	I <sub>F</sub> =0.5A
	V <sub>F</sub> 2	1	1	0.40	V	I <sub>F</sub> =1A
Reverse current	I <sub>R</sub>	1	-	500	μA	V <sub>R</sub> =10V

#### •Electrical characteristic curves





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